



[4910-13-P]

## **DEPARTMENT OF TRANSPORTATION**

### **Federal Aviation Administration**

#### **14 CFR Part 39**

**[Docket No. FAA-2016-7420; Directorate Identifier 2015-NM-017-AD]**

**RIN 2120-AA64**

**Airworthiness Directives; Dassault Aviation Airplanes**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Notice of proposed rulemaking (NPRM).

**SUMMARY:** We propose to adopt a new airworthiness directive (AD) for all Dassault Aviation Model FAN JET FALCON airplanes; Model FAN JET FALCON SERIES C, D, E, F, and G airplanes; Model MYSTERE-FALCON 200 airplanes; Model MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5 airplanes; and MYSTERE-FALCON 50 airplanes. This proposed AD was prompted by a report that, during approach for landing, the main entry door detached from an airplane. This proposed AD would require a one-time functional test or check of the main entry door closure and warning system, and applicable door closing inspections, adjustments, and operational tests, and corrective actions if necessary. We are proposing this AD to detect and correct defective crew/passenger doors. Such a condition could result in the in-flight opening or detachment of the crew/passenger door, which could result in loss of control of the airplane and injury to persons on the ground.

**DATES:** We must receive comments on this proposed AD by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

**ADDRESSES:** You may send comments, using the procedures found in 14 CFR 11.43 and 11.45, by any of the following methods:

- Federal eRulemaking Portal: Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.
- Fax: 202-493-2251.
- Mail: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.
- Hand Delivery: Deliver to Mail address above between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For service information identified in this NPRM, contact Dassault Falcon Jet Corporation, Teterboro Airport, P.O. Box 2000, South Hackensack, NJ 07606; telephone 201-440-6700; Internet <http://www.dassaultfalcon.com>. You may view this referenced service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

### **Examining the AD Docket**

You may examine the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-7420; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this proposed AD, the regulatory evaluation, any comments received, and other information. The street address for the Docket Operations

office (telephone 800-647-5527) is in the ADDRESSES section. Comments will be available in the AD docket shortly after receipt.

**FOR FURTHER INFORMATION CONTACT:** Tom Rodriguez, Aerospace Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-1137; fax 425-227-1149.

**SUPPLEMENTARY INFORMATION:**

**Comments Invited**

We invite you to send any written relevant data, views, or arguments about this proposed AD. Send your comments to an address listed under the ADDRESSES section. Include “Docket No. FAA-2016-7420; Directorate Identifier 2015-NM-017-AD” at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of this proposed AD. We will consider all comments received by the closing date and may amend this proposed AD based on those comments.

We will post all comments we receive, without change, to <http://www.regulations.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact we receive about this proposed AD.

**Discussion**

The European Aviation Safety Agency (EASA), which is the Technical Agent for the Member States of the European Union, has issued EASA Airworthiness Directive 2015-0007, dated January 15, 2015 (referred to after this as the Mandatory Continuing

Airworthiness Information, or “the MCAI”), to correct an unsafe condition for all Dassault Aviation Model FAN JET FALCON airplanes; Model FAN JET FALCON SERIES C, D, E, F, and G airplanes; Model MYSTERE-FALCON 200 airplanes; Model MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5 airplanes; and MYSTERE-FALCON 50 airplanes. The MCAI states:

During approach for landing, a Mystère-Falcon 20-X5 lost the main entrance door [MED] at an altitude of 7,000 feet. The flight crew maintained control of the aeroplane to land uneventfully. The results of the preliminary technical investigations concluded that the cause of this event could be either a broken cable, or an unlocked safety catch, associated with one or two deficient micro switches.

This condition, if not detected and corrected, could lead to in-flight opening and/or detachment of the Crew/ Passenger door, possibly resulting in loss of control of the aeroplane, and/or injury to persons on the ground.

To address this potential unsafe condition, Dassault Aviation issued Service Bulletins (SB) F20-789, F200-133 and MF50-531, providing instructions for inspection/ adjustment, as well as an operational test of the Crew/ Passenger door closure.

For the reasons described above, this [EASA] AD requires a one-time accomplishment of a functional test/check of the MED closure/warning system. It also requires [a general visual] inspection and operational test of the Crew/Passenger door [including the control and latching mechanisms] and, depending on findings, applicable corrective actions.

Corrective actions include adjusting the telescopic rod bolts on the door until the clearance between the lower part of the door and the fuselage is within the specified

tolerances. The corrective actions for the control and latching mechanisms include adjusting components and replacing damaged components (including pull latches, microswitches, pulleys, and cables). Signs of damage include cracks, corrosion, wear, and distortion. You may examine the MCAI in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-7420.

#### **Related Service Information under 1 CFR part 51**

We received the following service information.

- Dassault Service Bulletin F20-789, also referred to as 789, dated December 9, 2014.
- Dassault Service Bulletin F50-531, also referred to as 531, dated December 9, 2014.
- Dassault Service Bulletin F200-133, also referred to as 133, dated December 9, 2014.

The service information describes procedures for inspections, adjustments, and operational tests of certain doors and corrective actions. This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

#### **FAA's Determination and Requirements of this Proposed AD**

This product has been approved by the aviation authority of another country, and is approved for operation in the United States. Pursuant to our bilateral agreement with the State of Design Authority, we have been notified of the unsafe condition described in the MCAI and service information referenced above. We are proposing this AD because

we evaluated all pertinent information and determined an unsafe condition exists and is likely to exist or develop on other products of these same type designs.

### **Costs of Compliance**

We estimate that this proposed AD affects 392 airplanes of U.S. registry.

We also estimate that it would take about 4 work-hours per product to comply with the basic requirements of this proposed AD. The average labor rate is \$85 per work-hour. Required parts would cost about \$0 per product. Based on these figures, we estimate the cost of this proposed AD on U.S. operators to be \$133,280, or \$340 per product.

We have received no definitive data that would enable us to provide cost estimates for the on-condition actions specified in this proposed AD.

### **Authority for this Rulemaking**

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. "Subtitle VII: Aviation Programs," describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in "Subtitle VII, Part A, Subpart III, Section 44701: General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority

because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

### **Regulatory Findings**

We determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD would not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify this proposed regulation:

1. Is not a “significant regulatory action” under Executive Order 12866;
2. Is not a “significant rule” under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979);
3. Will not affect intrastate aviation in Alaska; and
4. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

### **List of Subjects in 14 CFR Part 39**

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

### **The Proposed Amendment**

Accordingly, under the authority delegated to me by the Administrator, the FAA proposes to amend 14 CFR part 39 as follows:

### **PART 39 - AIRWORTHINESS DIRECTIVES**

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

**§ 39.13 [Amended]**

2. The FAA amends § 39.13 by adding the following new airworthiness directive (AD):

**Dassault Aviation:** Docket No. FAA-2016-7420; Directorate Identifier 2015-NM-017-AD.

**(a) Comments Due Date**

We must receive comments by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to the Dassault Aviation airplanes, certificated in any category, identified in paragraphs (c)(1) through (c)(5) of this AD, all airplanes.

(1) Model FAN JET FALCON airplanes.

(2) Model FAN JET FALCON SERIES C, D, E, F, and G airplanes.

(3) Model MYSTERE-FALCON 200 airplanes.

(4) Model MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5 airplanes.

(5) Model MYSTERE-FALCON 50 airplanes.

**(d) Subject**

Air Transport Association (ATA) of America Code 52, Doors.

**(e) Reason**

This AD was prompted by a report that, during approach for landing, the main entry door detached from an airplane. We are issuing this AD to detect and correct defective crew/passenger doors. Such a condition could result in the in-flight opening or detachment of the crew/passenger door, which could result in loss of control of the airplane and injury to persons on the ground.

**(f) Compliance**

Comply with this AD within the compliance times specified.

**(g) Main Entry/Passenger/Crew Door Check or Functional Test**

Within 65 days after the effective date of this AD, unless done within 6 months before the effective date of this AD, do the applicable functional test or door lock check specified in paragraph (g)(1), (g)(2), or (g)(3) of this AD, and do all applicable corrective actions, using a method approved by the Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA; or the European Aviation Safety Agency (EASA); or Dassault Aviation's EASA Design Organization Approval (DOA). Do all applicable corrective actions before further flight.

(1) For Model FAN JET FALCON airplanes; Model FAN JET FALCON SERIES C, D, E, F, and G airplanes; and Model MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5 airplanes: A functional test of the passenger/crew door warning system.

(2) For Model MYSTERE-FALCON 200 airplanes: A check of the door locking indicator system.

(3) For Model MYSTERE-FALCON 50 airplanes: A check of the door lock indication.

**(h) Main Entry/Passenger/Crew Door Closing Inspections, Adjustments, and Operational Tests and Corrective Actions**

Within 330 flight hours or 13 months, whichever occurs first after the effective date of this AD, unless already done: Do the applicable door closing inspections, adjustments, and operational tests, and do all applicable corrective actions, in accordance with the Accomplishment Instructions of the applicable service information identified in paragraph (h)(1), (h)(2), or (h)(3) of this AD. Do all applicable corrective actions before further flight.

(1) For Model FAN JET FALCON airplanes; Model FAN JET FALCON SERIES C, D, E, F, and G airplanes; and Model MYSTERE-FALCON 20-C5, 20-D5, 20-E5, and 20-F5 airplanes: Dassault Service Bulletin F20-789, also referred to as 789, dated December 9, 2014.

(2) For Model MYSTERE-FALCON 200 airplanes: Dassault Service Bulletin F200-133, also referred to as 133, dated December 9, 2014.

(3) For Model MYSTERE-FALCON 50 airplanes: Dassault Service Bulletin F50-531, also referred to as 531, dated December 9, 2014.

**(i) Other FAA AD Provisions**

The following provisions also apply to this AD:

**(1) Alternative Methods of Compliance (AMOCs):** The Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In

accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Branch, send it to ATTN: Tom Rodriguez, Aerospace Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-1137; fax: 425-227-1149. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office. The AMOC approval letter must specifically reference this AD.

**(2) Contacting the Manufacturer:** For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA; or the EASA; or Dassault Aviation's EASA DOA. If approved by the DOA, the approval must include the DOA-authorized signature.

**(j) Related Information**

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA Airworthiness Directive 2015-0007, dated January 15, 2015, for related information. This MCAI may be found in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-7420.

(2) For service information identified in this AD, contact Dassault Falcon Jet Corporation, Teterboro Airport, P.O. Box 2000, South Hackensack, NJ 07606; telephone 201-440-6700; Internet <http://www.dassaultfalcon.com>. You may view this service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

Issued in Renton, Washington, on June 21, 2016.

Dorr Anderson,  
Acting Manager,  
Transport Airplane Directorate,  
Aircraft Certification Service.

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